

Aggressive behavior

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 An abbreviated version of this protocol was published in eLIFE in Apr 2020

A neuropeptide regulates fighting behavior in *Drosophila melanogaster*

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Detailed protocol

The flies were raised at 25°C and 60% humidity under a 12h:12h L:D cycle. Female flies were collected immediately after eclosion and isolated for 5–7 days in food tubes prior to behavioral assays. The virgin of females were anaesthetized on ice and introduced into the aggression chamber separated by a transparent film. Flies were allowed to recover for 1 hr at 25 °C. After 1 hr, the transparent film was removed and aggression video was videotaped for 30 min by cameras (Canon VIXIA HF R500) at 30 fps for further analysis.

How to cite: (Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used)

1. Zhou, C. (2020). Aggressive behavior. Bio-protocol Preprint. bio-protocol.org/prep303.
2. Wu, F., Deng, B., Xiao, N., Wang, T., Li, Y., Wang, R., Shi, K., Luo, D., Rao, Y. and Zhou, C.(2020). A neuropeptide regulates fighting behavior in *Drosophila melanogaster*. eLIFE. DOI: [10.7554/eLife.54229](https://doi.org/10.7554/eLife.54229)

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